

REV.  
F

AS5192™

RATIONALE

REVISE NOTE, CENTER BODY DIMENSION TO REFER TO AS1376 TABLE 6 IN LIEU OF TABLE 1.

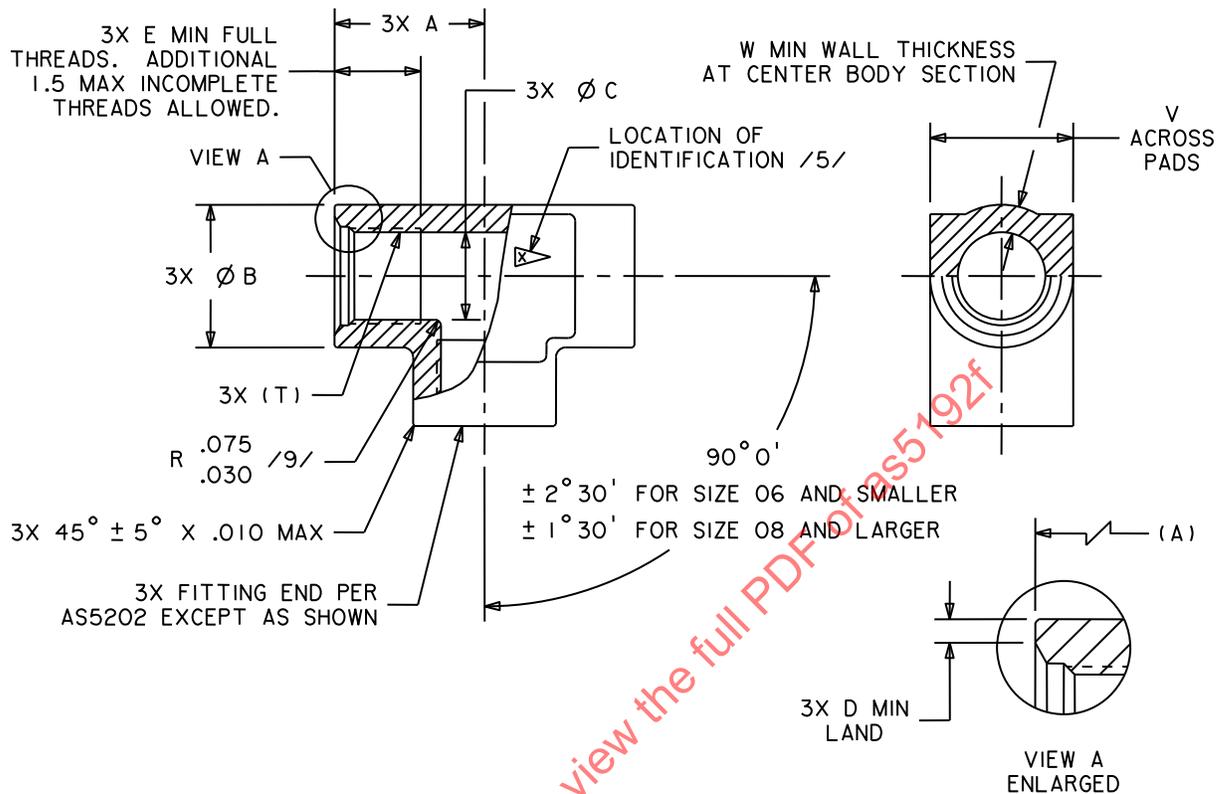
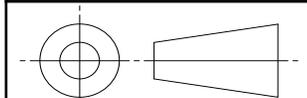


FIGURE 1 - FITTING, TEE

MATERIAL USAGE RECOMMENDATIONS /18/

For more information on this standard, visit  
<https://www.sae.org/standards/content/AS5192F>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: AS4875 /4/



AEROSPACE STANDARD

FITTING, TEE, INTERNAL  
STRAIGHT THREAD PORT

AS5192™  
SHEET 1 OF 4

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**TABLE 1A - DIMENSIONS A-W**

BASIC NO. AS5192 /17/ SIZE CODE	(NOMINAL TUBE SIZE)	T THREAD PER AS8879 CLASS 3B	C						
			A	B ±.016	+ .000 -.015	D	E	V	W
04	.250	.4375-20 UNJF	.787	.688	.397	.040	.483	.735-.753	.050
05	.312	.5000-20 UNJF	.787	.750	.459	.040	.452	.735-.753	.050
06	.375	.5625-18 UNJF	.849	.813	.516	.040	.475	.797-.815	.050
08	.500	.7500-16 UNJF	1.037	1.063	.697	.071	.569	1.047-1.065	.050
10	.625	.8750-14 UNJF	1.193	1.188	.815	.071	.638	1.173-1.191	.070
12	.750	1.0625-12 UNJ	1.396	1.438	.991	.077	.730	1.418-1.443	.080
16	1.000	1.3125-12 UNJ	1.568	1.688	1.241	.077	.777	1.668-1.693	.090
20	1.250	1.6250-12 UNJ	1.771	2.000	1.553	.077	.824	1.980-2.005	.110

**TABLE 1B - WEIGHTS**

BASIC NO. AS5192 /17/ SIZE CODE	LB/EA APPROX REF AL	LB/EA APPROX REF STEEL	LB/EA APPROX REF TI
04	.0539	.155	.0854
05	.0534	.153	.0845
06	.0533	.153	.0844
08	.126	.362	.200
10	.170	.488	.269
12	.284	.814	.449
16	.378	1.09	.599
20	.510	1.47	.780

NOTES:

**NOTICE**

THIS DOCUMENT REFERENCES A PART WHICH CONTAINS CADMIUM AS A PLATING MATERIAL. CONSULT LOCAL OFFICIALS IF YOU HAVE QUESTIONS CONCERNING CADMIUM'S USE.

/1/ MATERIAL:

- a. DASH AS CODE LETTER - TYPE 4130 STEEL FORGING OR BAR PER AMS6370 OR AMS-S-6758, OR TYPE 4140 STEEL BAR PER AMS6349 OR AMS6382. /2/
- b. CODE LETTER D - TYPE 2014-T6 ALUMINUM ALLOY FORGING PER AMS-QQ-A-367 OR AMS4133 OR 2024-T6 ALUMINUM ALLOY BAR PER AMS-QQ-225/6 OR TYPE 2024-T851 ALUMINUM ALLOY BAR PER AMS-QQ-A-225/6 OR AMS4339. /2/ /18/
- c. CODE LETTER J - TYPE 304 CORROSION RESISTANT STEEL FORGING OR BAR PER AMS-QQ-S-763 OR AMS5639.
- d. CODE LETTER K - TYPE 316 CORROSION RESISTANT STEEL FORGING OR BAR PER AMS-QQ-S-763 OR AMS5648.
- e. CODE LETTER R - TYPE 321 CORROSION RESISTANT STEEL FORGING OR BAR PER AMS-QQ-S-763 OR AMS5645.
- f. CODE LETTER S - TYPE 347 CORROSION RESISTANT STEEL FORGING OR BAR PER AMS5646. /18/
- g. CODE LETTER T - TYPE 6AL-4V TITANIUM ALLOY FORGING OR BAR PER AMS4928.
- h. CODE LETTER W - TYPE 7075-T73 ALUMINUM ALLOY FORGING PER AMS-QQ-A-367 OR AMS4141; OR TYPE 7075-T73 ALUMINUM ALLOY BAR PER AMS-QQ-A-225/9; OR TYPE 7075-T7351 ALUMINUM ALLOY BAR PER AMS4124. /2/

	<b>AEROSPACE STANDARD</b>	<b>AS5192™</b> SHEET 2 OF 4	<b>REV.</b> <b>F</b>
	FITTING, TEE, INTERNAL STRAIGHT THREAD PORT		

/2/ HEAT TREATMENT:

- a. DASH AS MATERIAL CODE LETTER - REFER TO HARDNESS REQUIREMENT PER PROCUREMENT SPECIFICATION.
- b. MATERIAL CODE LETTERS D AND W - REFER TO ELECTRICAL CONDUCTIVITY AND HARDNESS REQUIREMENT PER PROCUREMENT SPECIFICATION.
- c. OTHER MATERIAL CODE LETTERS - NONE.

3. FINISH:

- a. DASH AS MATERIAL CODE LETTER - CADMIUM PLATE PER AMS-QQ-P-416, TYPE II, CLASS 2, DYE BLACK AND COAT WITH A LIGHT FILM OF OIL PER PROCUREMENT SPECIFICATION.
- b. MATERIAL CODE LETTER D - ANODIZE PER AMS2472 OR MIL-A-8625, TYPE II, CLASS 2, DYE BLUE, DUPLEX SEAL PER PROCUREMENT SPECIFICATION.
- c. MATERIAL CODE LETTER J - PASSIVATE PER AMS2700 TYPE 6 OR TYPE 7 OR METHOD 2.
- d. MATERIAL CODE LETTER K - PASSIVATE PER AMS2700 TYPE 6 OR TYPE 7 OR METHOD 2.
- e. MATERIAL CODE LETTER R - PASSIVATE PER AMS2700 TYPE 6 OR TYPE 7 OR METHOD 2.
- f. MATERIAL CODE LETTER S - PASSIVATE PER AMS2700 TYPE 6 OR TYPE 7 OR METHOD 2.
- g. MATERIAL CODE LETTER T - ANODIZE PER AMS2488 OR FLUORIDE PHOSPHATE CONVERSION COAT PER AMS2486 WITH COLOR PER PROCUREMENT SPECIFICATION.
- h. MATERIAL CODE LETTER W:
  - 1. ANODIZE PER AMS2472 OR MIL-A-8625, TYPE II, CLASS 2, DYE BROWN, DUPLEX SEAL PER PROCUREMENT SPECIFICATION.
  - 2. W CODE PARTS TO BE COATED WITH HIGH PURITY ALUMINUM ONLY WILL HAVE THE FINISH CODE LETTER "V" PLACED AFTER THE SIZE CODE IN THE PART NUMBER. THE FINISH WILL BE: COAT WITH HIGH PURITY ALUMINUM PER MIL-DTL-83488, CLASS 3, TYPE II, WITH MAXIMUM COATING THICKNESS OF .0005. GLASS BEAD PEEN PRESSURE SHALL BE 25 PSI MAXIMUM.

/4/ PROCUREMENT SPECIFICATION: AS4875 EXCEPT AS SPECIFIED ON THIS STANDARD. PRODUCT MANUFACTURED TO THIS STANDARD SHALL MEET THE REQUIREMENTS SPECIFIED HEREIN AND THE PROCUREMENT SPECIFICATION. ORIGINAL COMPONENT MANUFACTURERS (OCM) AND VALUE ADDED DISTRIBUTORS (VAD) SHALL BE LISTED IN THE NADCAP QUALIFIED MANUFACTURER LIST (QML) FOR THIS PRODUCT TYPE. THE QML IS AVAILABLE AT [www.eAuditNet.com](http://www.eAuditNet.com).

/5/ IDENTIFICATION AT LOCATION SHOWN: MARK PER AS478 CLASS C OR D, OR METHOD 7A3, 15A3, OR 15B.

- a. FOR SIZES 06 AND SMALLER: MANUFACTURER'S NAME, CAGE CODE OR TRADEMARK, LETTERS "AS," AND MATERIAL CODE LETTER.
- b. FOR SIZES 08 AND LARGER: MANUFACTURER'S NAME, CAGE CODE OR TRADEMARK, BASIC PART NUMBER, AND MATERIAL CODE LETTER.

6. INTENDED USE: THIS PART IS DESIGNED FOR USE IN SYSTEMS WITH MAXIMUM OPERATING PRESSURES AS SPECIFIED IN THE PROCUREMENT SPECIFICATION.

7. THIS STANDARD IS A FUNCTIONAL EQUIVALENT OF AN938 AND IS INTENDED TO BE SUITABLE AS A REPLACEMENT STANDARD.

8. WHEN MACHINED FROM BAR OR OVERSIZED FORGING, THE CENTER BODY DIMENSIONS SHALL CONFORM TO AS1376, TABLE 6.

/9/ RADIUS APPLICABLE FOR TITANIUM ALLOY PARTS ONLY.

	<b>AEROSPACE STANDARD</b>	<b>AS5192™</b> SHEET 3 OF 4	<b>REV.</b> <b>F</b>
	FITTING, TEE, INTERNAL STRAIGHT THREAD PORT		